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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XVII, No. 9 — HELENA INDEPENDENT-RECORD HELENA, MONTANA — September, 1969

Production of crude oil and condensate from the oil and gas areas of Montana for the month of September, 1969, averaged 119,758 barrels daily, a decrease of 724 barrels from the average August production of 120,482.

The nine refineries in the state processed 120,810 barrels of crude oil daily for the month of September, 1969, a decrease of 54 barrels from the 120,864 barrels procesed daily during the month of August, 1969.

During September 51 wells were completed, 9 oil, 0 gas and 42 dry holes.

During September the commission issued 76 permits to drill new wells, a decrease of 16 from the 92 permits issued during August.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF SEPTEMBER, 1969

IN STORAGE SEPTEMBER 1st	
By Producers	380,177
By Transporters	1,242,471
By Refiners	938,271
TOTAL STORAGE	2,560,919
Produced in Montana During Month	3,592,728
Imported During Month	2,924,207
TOTALS	9,077,854
DISPOSITION:	
Refined in Montana	3,624,311
Exported	3,427,746
Used for Fuel or Lost	11,289
TOTAL	7,063,346
IN STORAGE SEPTEMBER 30th	
By Producers	363,305
By Transporters	1,162,652
By Refiners	488,551
TOTAL STORAGE	2,014,508

NATURAL GAS WITHDRAWALS IN MONTANA

Month of September, 1969

Field	M. Cu. Ft.
Bears Den	0
Bell Creek	837,272
Big Coulee	41,250
Blackjack	74,051
Bowdoin	60,791
Bowes	35,377
Cabin Creek	105,796
Cedar Creek	54,795
Clarks Fork South	26,887
Cut Bank (Including Reagan)	581,801
Devon	0
Dry Creek	43,386
Elk Basin	80,327
Flat Coulee	9,570
Gold Butte	6,207
Golden Dome	0
Grandview	43,783
Hardin	3,284
Keith Block	109,984
Kevin Sunburst	40,035
Lake Basin	97,906
Middle Butte	2,538
Mt. Lilly	32,232
Pine	62,999
Plevna	2,399
Squaw Coulee	39,903
Tiger Ridge	30,899
Utopia	51,830
Whitlash	83,476
Miscellaneous	186,948
TOTAL	2,745,726

Total withdrawals for September, 1968 were 1,805,328.

PRODUCERS REPORT—MONTH OF SEPTEMBER, 1969

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
3	Ash Creek	3	375	2,405	----	2,254	----	526
	Bannatyne	----	828	----	----	----	----	828
1	Bascom	1	167	16	----	----	----	183
6	Bear's Den	7	1,732	849	----	1,554	----	1,027
86	Bell Creek	381	62,223	1,061,700	1,061,766	----	2,657	59,500
1	Benrud	1	619	775	871	----	----	523
2	Benrud East	2	1,013	15,310	14,566	----	----	1,757
1	Benrud Northeast	1	1,279	3,718	4,218	----	----	779
1	Berthelote	1	689	15	216	----	----	488
7	Big Wall	19	1,805	13,803	13,412	----	----	2,196
4	Blackfoot	6	1,000	2,787	2,632	----	----	1,155
5	Border	5	545	1,277	----	1,213	----	609
1	Bowes	54	3,023	13,912	14,389	----	----	2,546
1	Bradley	1	445	575	810	----	----	210
2	Brady	2	310	383	383	----	----	310
4	Brorson-Madison	4	1,621	6,321	6,850	----	----	1,092
7	Brorson-Red River	7	3,455	35,441	----	36,088	----	2,808
3	Brorson-Red River South	3	3,104	20,679	----	21,574	----	2,209
2	Cabin Creek	97	----	292,298	292,298	----	----	----
11	Cat Creek	62	3,136	15,777	15,123	1,375	----	2,415
1	Clark's Fork	1	173	158	----	183	----	148
1	Clark's Fork South	1	----	4,845	----	4,446	----	399
2	Conrad South	2	662	782	782	----	----	662
1	Cow Creek	1	180	2,153	2,101	----	----	232
2	Cupton	2	1,468	1,726	----	1,558	----	1,636
136	Cut Bank	839	66,500	447,459	445,598	----	1,838	66,523
2	Deer Creek	3	1,590	2,047	2,747	----	----	890
1	Delphia	1	720	295	----	618	----	297
	Devil's Basin	----	688	----	----	----	----	688
1	Dwyer	13	5,264	19,111	19,828	----	----	4,547
4	Elk Basin	62	1,566	188,317	188,140	----	----	1,743
5	Elk Basin Northwest	14	8,877	9,253	10,107	----	----	8,023
9	Fairview	10	7,914	59,233	59,548	----	----	7,599
2	Fertile Prairie	2	841	1,511	1,764	----	----	588
9	Flat Coulee	27	5,233	11,632	1,370	9,940	----	5,555
39	Flat Lake	56	7,003	70,227	70,426	----	----	6,804
3	Flat Lake South	3	825	6,864	6,541	----	----	1,148
2	Frannie	2	----	1,446	1,446	----	----	----
22	Fred & George Creek	43	3,009	45,436	44,657	----	----	3,788
1	Gage	1	169	164	----	199	----	134
	Gage Southwest	----	30	----	----	----	----	30
3	Gas City	22	5,664	27,556	26,203	----	----	7,017
11	Glendive	14	2,505	31,277	28,471	2,642	----	2,669
25	Goose Lake	33	6,157	49,631	49,473	----	----	6,315
9	Graben Coulee	22	2,750	5,581	3,771	1,029	----	3,531
	Grandview	----	528	----	----	----	528	----
	Gypsy Basin	----	833	----	----	----	----	833
2	Hay Creek	2	459	19,895	19,862	----	----	492
7	Hiawatha	7	5,446	15,320	15,889	----	----	4,877
1	Hibbard	1	618	251	----	208	----	661
1	Injun Creek	1	760	890	----	885	----	765
6	Ivanhoe	11	2,047	7,777	7,959	----	60	1,805
7	Keg Coulee	23	3,899	9,931	8,798	----	----	5,032
2	Keg Coulee North	2	373	614	457	----	----	530
1	Kelley	5	1,103	6,682	6,558	----	----	1,227
96	Kevin Sunburst	554	14,004	29,437	26,590	2,409	----	14,442
8	Laird Creek	11	425	7,280	----	7,066	10	629
2	Leary	2	2,672	2,657	----	3,526	6	1,797
1	Little Beaver	27	----	27,821	27,821	----	----	----
2	Little Beaver East*	14	2,522	17,825	17,391	----	----	2,956
2	Lodge Grass	2	494	1,903	----	1,709	----	688
3	Lookout Butte (Coral C reek)	34	412	68,869	68,954	----	----	327
	Mackay Dome	----	1,139	----	----	----	----	1,139
2	Mason Lake	2	765	1,114	1,393	----	----	486
3	Melstone	5	1,156	1,834	1,360	417	----	1,213
1	Mineral Bench	1	652	705	857	----	----	500
1	Miner's Coulee	1	107	505	----	505	----	107
11	Monarch	16	4,170	20,432	20,060	----	----	4,542
3	Mosser	3	----	933	----	933	----	----
6	Outlook	10	5,165	20,007	20,548	----	----	4,624
1	Outlook South	1	695	2,771	1,770	----	----	1,696
2	Outlook West	2	576	2,428	2,295	----	----	709
3	Pennel-Lookout Butte	111	9,498	129,537	132,987	----	----	6,048
4	Pine	118	17,024	288,554	288,832	----	----	16,746
1	Pole Creek	1	314	1,366	----	600	----	1,080
65	Pondera	273	7,380	27,518	28,386	----	64	6,448
5	Poplar	68	9,496	59,241	60,052	----	289	8,396
5	Poplar Northwest	5	1,957	4,350	4,976	----	----	1,331
1	Prairie Elk	1	663	522	386	----	----	799
4	Ragged Point	12	2,425	6,634	6,111	----	----	2,948
2	Rattlesnake Coulee	2	585	1,448	1,588	----	----	445
2	Reagan	48	550	23,094	23,003	----	----	641
1	Red Creek	23	----	19,184	19,184	----	----	----
1	Red Fox	1	465	5,180	5,379	----	----	266
2	Redstone	2	944	4,724	4,946	----	----	722
1	Repeat	1	598	1,701	----	2,080	----	219
4	Reserve	4	193	15,606	15,606	----	----	193
1	Richey	1	217	1,058	497	----	----	778
1	Richey Southwest	6	1,169	4,320	4,787	----	----	702
1	Rush Mountain	1	282	3,818	----	3,025	----	1,075
6	Sand Creek	8	3,718	10,671	11,963	----	----	2,426
1	Shotgun Creek	1	503	1,071	----	1,225	----	349
1	Sidney	1	880	200	----	200	----	880
1	Snyder	4	829	1,042	----	703	----	1,168
6	Soap Creek	17	2,921	4,421	----	3,555	----	3,787
1	Spring Lake	2	2,319	2,211	----	2,448	----	2,082
1	Stensvad	12	2,737	11,308	11,812	----	----	2,233
21	Sumatra	84	10,253	45,347	46,836	----	6	8,758
5	Tule Creek	6	2,262	34,504	----	35,302	----	1,464
2	Tule Creek East	2	702	14,028	----	14,269	----	461
2	Tule Creek South	3	2,140	5,937	----	7,182	52	843
2	Vida	2	741	1,205	1,657	----	----	289
5	Volt	5	2,574	13,878	14,178	----	----	2,274
2	Weed Creek	3	879	10,373	10,900	----	20	332
4	Weldon	11	1,444	39,900	39,591	----	----	1,753
1	West Butte	1	----	3,855	----	3,855	----	----
20	Whitlash	45	8,883	15,008	16,410	----	----	7,481
1	Whitlash West	1	654	302	415	----	----	541
3	Wills Creek South	3	244	4,039	4,233	----	----	50
6	Wolf Springs	8	3,382	5,352	5,068	----	----	3,666
2	Woodrow	2	602	2,125	2,229	----	----	498
1	Wildcat, Blaine Cty	1	577	115	----	455	19	218
	Wildcat, Carbon Cty	----	723	----	----	----	----	723
1	Wildcat, Fallon Cty	1	79	2,944	----	2,178	----	845
2	Wildcat, Glacier Cty	5	1,397	978	226	----	181	1,968
1	Wildcat, Liberty Cty	1	97	116	----	----	----	213
1	Wildcat, Musselshell Cty	1*	----	411	----	220	----	191
1	Wildcat, Powder River Cty	1	372	518	----	728	----	162
2	Wildcat, Richland Cty	2	1,149	5,582	----	5,971	52	708
3	Wildcat, Roosevelt Cty	3	2,458	13,366	----	13,009	----	2,815
1	Wildcat, Sheridan Cty	1	1,163	213	----	871	----	505
	Wildcat, Stillwater Cty	----	1,418	----	1,018	----	59	341
2	Wildcat, Toole Cty	2	----	1,227	1,227	----	----	----
	Wildcat, Wibaux Cty	----	140	----	----	----	----	140
822	Total	3,485	380,177	3,592,728	3,403,552	200,207	5,841	363,305

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls Shipped	Daily Average
Year, 1968	48,460,579	132,406	48,370,779	132,161
First Quarter, 1969	11,151,766	123,908	11,176,241	124,180
Second Quarter, 1969	11,081,285	121,772	11,072,056	121,671
July, 1969	3,810,099	122,906	3,822,276	123,299
August, 1969	3,734,938	120,482	3,739,185	120,619
September, 1969	3,592,728	119,758	3,603,759	120,125

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage‡	Total oil In Storage‡
December, 1968	448,662	1,346,295	813,963	2,608,920
March, 1969	411,717	1,346,785	981,174	2,739,676
June, 1969	406,318	1,460,308	1,100,279	2,966,905
July, 1969	389,157	1,422,638	1,224,355	3,036,150
August, 1969	380,177	1,242,471	938,271	2,560,919
September, 1969	363,305	1,162,652	488,551	2,014,508

*Montana Oil Only
‡Includes Wyoming Oil

TRANSPORTERS REPORT—MONTH OF SEPTEMBER, 1969

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,254				2,254		
BEAR'S DEN—Truck			1,554				1,554		
BELL CREEK—Pipelines		1,061,766					457,043	604,723	
BIG WALL—									
Continental Pipeline Co.		13,412				13,412			
BLACKFOOT—									
Camerland Cardinal Corp.		2,600						2,600	
BORDER—Truck			1,213					1,213	
BOWES—Texaco Inc.		14,389				14,389			
BRORSON-MADISON—Pipelines		6,850						6,850	
BRORSON-RED RIVER & BRORSON-RED RIVER SOUTH—									
Rock Island Oil & Ref. Co.			57,662				57,662		
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	356,088	803,978	6,280	1,151,905			1,994,543		328,708
Shell Pipeline Co.	4,314	225,249			921			220,920	7,722
	360,402	1,034,227	6,280	1,151,905	921		1,994,543	220,920	336,430
CAT CREEK—									
Continental Pipeline Co.		15,123				15,123			
Truck			1,375			1,375			
		15,123	1,375			16,498			
CLARK'S FORK—Truck			183				183		
CLARK'S FORK SOUTH—Truck			4,446				4,446		
COW CREEK—									
Western Crude Oil, Inc.		2,100					2,100		
CUT BANK—									
Continental Pipeline Co.			14,864	355,826				270,690	
Phillips Petroleum Co.	36,301	67,079		53,535	(1,268)	117,124			41,059
Texas Pipeline Co.	18,110	92,354		33,009	851			131,421	11,201
Union Oil Co.	101,776	83,556		21,653	591	121,906			84,488
Western Oil Trans. Co.		35,177						35,177	
Western Oil Trans. (Moulton)		75,364						75,364	
	156,187	353,530	14,864	464,023	174	239,030		612,652	136,748
DELPHIA—Truck			618			618			
DWYER—Portal Pipeline Co.		19,502					19,502		
ELK BASIN & ELK BASIN NORTHWEST—									
Marathon Pipeline Co.		197,358				197,358			
FAIRVIEW—Fairview Pipeline Co.		59,548					59,548		
FLAT COULEE—									
Camerland Cardinal Corp.			9,940					9,940	
FLAT LAKE & FLAT LAKE SOUTH—									
Portal Pipeline Co.		65,099					65,099		
FRANNIE—Interstate Pipeline Co.		1,446					1,446		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	7,444	47,476				11,736		32,394	10,790
GAGE & GAGE SOUTHWEST—									
Truck			199			199			
GLENDIVE, DEER CREEK WOODROW & SAND CREEK—									
Texas Pipeline Co.	9,037	36,475			(472)			37,040	8,944
GOOSE LAKE—									
Portal Pipeline Co.		46,468					46,468		
HAY CREEK—									
Fairview Pipeline Co.		19,862					19,862		
HIAWATHA—									
Continental Pipeline Co.		15,889					15,889		
HIBBARD—Truck			208			208			
INJUN CREEK—Permian Corp.			885				885		
IVANHOE—									
Continental Pipeline Co.		7,740				7,740			
KEG COULEE & KEG COULEE NORTH—									
Continental Pipeline Co.		10,333				10,333			
KELLEY—									
Continental Pipeline Co.		6,558				6,558			
KEVIN SUNBURST—									
Big West Oil Co.	2,831	16,630				14,334			5,127
Homestake Oil & Gas Co.	889	2,247				1,527			1,609
Texas Pipeline Co.	8,973	10,269		1,981	732			14,026	6,465
	12,693	29,146		1,981	732	15,861		14,026	13,201
LEARY—Truck			3,526				3,526		
LODGE GRASS—Truck			1,709			1,709			
MASON LAKE—									
Continental Pipeline Co.		1,739				1,739			
MELSTONE—Truck			417					417	
Continental Pipeline Co.		1,360				1,360			
		1,360	417			1,360		417	
MOSSER—Truck			933				933		
OUTLOOK, OUTLOOK SOUTH & OUTLOOK WEST—									
Portal Pipeline Co.		24,614					24,614		
POLE CREEK—Truck			600				600		
PONDERA—Phillips Petr. Co.	29,260	29,953			(315)	38,751			20,777
POPLAR, BENRUD, BENRUD EAST, OUTLOOK, OUTLOOK SOUTH, OUTLOOK WEST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT—									
East Poplar Gathering System	15,954	115,551			(3)			116,014‡	15,494
RAGGED POINT—									
Continental Pipeline Co.		5,859				5,859			
RED CREEK—									
Western Oil Transportation Co.		21,009						21,009	
RESERVE—Portal Pipeline Co.		15,533					15,533		
RUSH MOUNTAIN—									
Sinclair Refining Co.			3,025				3,025		
SHOTGUN CREEK—Truck			1,225				1,225		
SIDNEY—Truck			200					200	
SNYDER—Truck			703			703			
SOAP CREEK—Truck			3,555					3,555	
SPRING LAKE—									
Rock Island Oil & Ref. Co.			2,448					2,448	
SUMATRA & STENSVAD—									
Continental Pipeline Co.	638,554	57,619		1,168,494	1,478	37,311		1,218,880	606,998
TULE CREEK—									
Tesero Petr. Corp.	12,940		56,753			56,423			13,270
WEED CREEK—									
Continental Pipeline Co.		10,900				10,900			
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		17,837				14,970		2,867	
WOLF SPRINGS—									
Continental Pipeline Co.		5,068				5,068			
WILDCAT WELLS—Truck			23,432				23,432		
TOTALS	1,242,471	3,373,939	200,207	2,786,403	2,515	708,733	2,821,372	2,907,748	1,162,652

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

‡Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF SEPTEMBER, 1969

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall		13,412								13,412
Bowes			28,674							28,674
Cat Creek		2,865		15,524		159				18,548
Cut Bank							109,905		117,733	227,638
Delphia						36				36
Elk Basin		76,550		53,994	66,814					197,358
Gage & Gage S. W.						25				25
Hibbard						12				12
Ivanhoe		7,740								7,740
Keg Coulee		1,992		8,341						10,333
Kelley					6,558					6,558
Kevin Sunburst	6,138									6,138
Lodge Grass		1,709								1,709
Mason Lake		1,739								1,739
Melstone				1,360						1,360
Pondera							30,738			30,738
Ragged Point				5,859						5,859
Sand Creek						21				21
Snyder		703								703
Sumatra & Stensvad		13,736		12,160	11,415					37,311
Tule Creek								73,254		73,254
Weed Creek					10,900					10,900
Whitlash							14,970			14,970
Wolf Springs					5,068					5,068
Total Montana Oil	6,138	120,446	28,674	97,238	100,755	253	155,613	73,254	117,733	700,104
Canadian Oil Imported		381,973								381,973
Wyoming Oil Imported		742,415		696,301	1,103,518					2,542,234
Total Montana, Canadian, and Wyoming Oil	6,138	1,244,834	28,674	793,539	1,204,273	253	155,613	73,254	117,733	3,624,311

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1968	26,482	21,007	64,842	112,331
September, 1968	28,300	35,879	59,748	123,927
September, 1969	23,337	12,732	84,741	120,810

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
23.57%	18.70%	57.73%
22.83%	28.96%	48.21%
19.32%	10.54%	70.14%